

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

1. (Cancelled)
2. (Currently Amended) A system according to claim 1 27, wherein the lens system comprises an additional reflective element (24) folding the second optical axis (221) into the optical axis (251) of the image recording device.
3. (Currently Amended) A system according to ~~claims 1 and 2~~ claim 27, wherein the first optical axis (211) and the second optical axis (221) form an angle (~~a~~) equal to or less than 90 degrees.
4. (Currently Amended) A system according to ~~claims 1-3~~ claim 27, wherein the second optical axis (221) and ~~the~~ an optical axis (251) of ~~the~~ an image recording device form an angle equal to or less than 90 degrees.
5. (Currently Amended) A system according to ~~claims 1-4~~ claim 27, wherein the first optical axis (211) and ~~the~~ an optical axis (251) of ~~the~~ an image recording device are substantially in the same plane.
6. (Currently Amended) A system according to ~~claims 1-5~~ claim 27, wherein the first optical axis (211) and ~~the~~ an optical axis (251) of ~~the~~ an image recording device are substantially parallel.
7. (Currently Amended) A system according to claim 1 27, wherein ~~the~~ an image recording device is a charge coupled device.

8. (Currently Amended) A system according to claim ~~1~~ 27, wherein the lens system has a ratio (~~S~~) of the optical system height (~~H~~) divided by the diameter (~~D~~) of the circumferential circle of the formed image (~~28~~) less than 4, preferably equal to or less than 2.55, more preferred equal to or less than 1.7, most preferred less than 1.2; said optical system height (~~H~~) being the maximum projected distance on the first optical axis from any part of the optical system including lenses, filters, aperture stop, image recording device and the body thereof.

9. (Currently Amended) A system according to claim ~~1~~ 27, wherein the height ratio of the effective lens height (~~h~~) and the effective focal length (~~f~~) of the lens system is less than 1.7, preferably less than 1.5.

10. (Currently Amended) A system according to ~~claims 1-9~~ claim 27, wherein the height of said body is less than 20 mm, preferably less than or equal to 10.5 mm, more preferably less than or equal to 7 mm, more preferably less than or equal to 5 mm.

11. (Currently Amended) A system according to ~~claims 1-10~~ claim 27, wherein the front lens group (~~21~~) and the ~~first~~ reflective element (~~23~~) consist of a prism.

12. (Currently Amended) A system according to ~~claims 1-11~~ claim 27, wherein ~~the~~ an additional reflective element (~~24~~) consist of a prism.

13. (Currently Amended) A system according to ~~claims 1-12~~ claim 27, wherein ~~the~~ an aperture top of the lens system is determined by a stop (~~26~~) placed after the ~~first~~ reflective element, particularly placed in the back lens group (~~22~~).

14. (Currently Amended) A system according to ~~claims 1-13~~ claim 27, wherein said further comprising a body further ~~comprises~~ comprising means for storing, transferring and receiving electronic signals of optical information and other information to and from an external device.

15. (Currently Amended) A system according to claim 14, wherein the means for transferring and receiving electronic signals comprise a connector device (~~1001~~) having a databus interface.

16. (Original) A system according to claim 15, wherein the connector device is accommodated in an end face of said body.

17. (Currently Amended) A system according to claim 14, wherein the storage means for storing the electronic signals consist of an exchangeable memory (~~1002~~).

18. (Currently Amended) A system according to ~~claims 1-17~~ claim 27, wherein ~~the~~ a body further comprises means for storing electronic signals of control information for controlling the operation of ~~the~~ an external device.

19. (Original) A system according to claim 18, which comprises means for loading the control information into the external device.

20. (Currently Amended) A system according to ~~claims 14-19~~ claim 14, wherein the means for transferring electronic signals comprise a wireless transmitter of analogue and/or digital transmission.

21. (Currently Amended) A system according to ~~claims 14-19~~ claim 14, wherein the means for receiving electronic signals comprises a wireless receiver of analog and/or digital transmission.

22. (Currently Amended) A system according to ~~claims 1-21~~ claim 28, wherein said body further comprises guiding means for its guidance in a slot.

Claims 23-27 (Cancelled).

28. (New) A lens system comprising:

a front lens group having a first optical axis;
a back lens group having a second optical axis; and
a reflective element folding said first optical axis into said second optical axis in
an angle of less than 180 degrees;
wherein at least one lens adjacent to said reflective element is a non-rotary
symmetrical lens.

29. (New) An optical image recording system for electric recording of optical
information, the optical image recording system comprising:

a lens system and a body;
a lens system comprises:
a front lens group having a first optical axis;
a back lens group having a second optical axis; and
a reflective element folding said first optical axis into said second optical axis in
an angle of less than 180 degrees;
wherein at least one lens adjacent to said reflective element is a non-rotary
symmetrical lens.

30. (New) A system according to claim 29, wherein the lens system comprises
an additional reflective element folding the second optical axis into the optical axis of the image
recording device.

31. (New) A system according to claim 29, wherein the first optical axis and the
second optical axis form an angle equal to or less than 90 degrees.

32. (New) A system according to claim 29, wherein the second optical axis and
an optical axis of an image recording device form an angle equal to or less than 90 degrees.

33. (New) A system according to claim 29, wherein the first optical axis and an optical axis of an image recording device are substantially in the same plane.

34. (New) A system according to claim 29, wherein the first optical axis and an optical axis of an image recording device are substantially parallel.

35. (New) A system according to claim 29, wherein an image recording device is a charge coupled device.

36. (New) A system according to claim 29, wherein the lens system has a ratio of the optical system height divided by the diameter of the circumferential circle of the formed image less than 4, preferably equal to or less than 2.55, more preferred equal to or less than 1.7, most preferred less than 1.2; said optical system height being the maximum projected distance on the first optical axis from any part of the optical system including lenses, filters, aperture stop, image recording device and the body thereof.

37. (New) A system according to claim 29, wherein the height ratio of the effective lens height and the effective focal length of the lens system is less than 1.7, preferably less than 1.5.

38. (New) A system according to claim 29, wherein the height of said body is less than 20 mm, preferably less than or equal to 10.5 mm, more preferably less than or equal to 7 mm, more preferably less than or equal to 5 mm.

39. (New) A system according to claim 29, wherein the front lens group and the reflective element consist of a prism, wherein an additional reflective element consists of a prism.

41. (New) A system according to claim 29, wherein an aperture top of the lens system is determined by a stop placed after the reflective element, particularly placed in the back

lens group.

42. (New) A system according to claim 29, wherein said body further comprises means for storing, transferring and receiving electronic signals of optical information and other information to and from an external device.

43. (New) A system according to claim 42, wherein the means for transferring and receiving electronic signals comprise a connector device having a databus interface.

44. (New) A system according to claim 43, wherein the connector device is accommodated in an end face of said body.

45. (New) A system according to claim 42, wherein the storage means for storing the electronic signals consist of an exchangeable memory.

46. (New) A system according to claim 29, wherein the body further comprises means for storing electronic signals of control information for controlling the operation of the external device.

47. (New) A system according to claim 46, which further comprises means for loading the control information into the external device.

48. (New) A system according to claim 42, wherein the means for transferring electronic signals comprise a wireless transmitter of analogue and/or digital transmission.

49. (New) A system according to claim 42, wherein the means for receiving electronic signals comprises a wireless receiver of analog and/or digital transmission.

50. (New) A system according to claim 30, wherein said body further comprises guiding means for its guidance in a slot.